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Title	Principal Investigator	Institution	Grant Number
A Diversity Outbred ES Cell Panel for In Vitro Genetics of Toxicology	choi, ted	Predictive Biology	R44ES021688
A Formaldehyde Dosimeter for Personal Exposure Assessment	nameni, gordon n	Platypus Technologies, Llc	R43ES026474
A novel genotoxicity assay incorporating the toxicogenomics biomarker TGx-28.65 with a direct digital counting	george, jay	Trevigen, Inc.	R43ES026473
A screening assay for chemicals that affect the differentiation of human neural cells.	rountree, michael	Nzumbe Epigenetics	R41ES026225
Advanced Polymer-Based Micro-sensor for Radiation Detection and Measurement	hobson, stephen terrence	Seacoast Science, Inc.	R41ES027389
Aerosol Sampling and Microfluidic Analysis of Reactive Oxygen Species	zyuzin, alexei	Illionix, Llc	R42ES026532
Allergens and Induced Asthma: Eradicating Indoor Allergens from Dust Mites (Phase	quick, allan m.	Carbonix, Llc	R44ES019790
An Agent-Based Modeling Platform for Environmental Biotechnology	shirazi, fatemeh	Microvi Biotech, Inc.	R41ES026541
An application for trainers to rapidly create and control HAZMAT emergency response scenarios in online immersive virtual environments for self-paced and team learning.	ramloll, rameshsharma	Deepsemaphore, Llc	R44ES021638
Assay Development for Measuring Chemical Effects on the Epigenome in Stem Cells	hobbs, cheryl a.	Integrated Laboratory Systems, Inc.	R44ES023526
Automation of a Liver Genotoxicity Assay	dertinger, stephen d	Litron Laboratories, Ltd.	R44ES026464
Biomarker Matrix for Genotoxicity Mode of Action	dertinger, stephen d	Litron Laboratories, Ltd.	R44ES024039
CometChip: Development of a high throughput DNA damage assay in hepatocytes	recio, leslie	Integrated Laboratory Systems, Inc.	R44ES024698
Comprehensive Solution for Transcriptome Profiling of Archived Tissues	haynes, brian clifton	Asuragen, Inc.	R43ES024365
Computational platform for Green Chemistry	myatt, glenn john	Leadscope, Inc.	R43ES022874
Controlled Release Polymer Structures for In Situ Chemical Oxidation of Contaminated Groundwater	carpenter, alexis wells	Axnano, Llc	R41ES026916
Cryopreserved Adherent Neural Cell Assay Plates	majumder, anirban	Aruna Biomedical, Inc.	R43ES026944
CyanoMap: Mapping inland lake quality and Amyotrophic lateral sclerosis risk fact	torbick, nathan	Applied Geosolutions, Llc	R44ES022103
Develop and Test a Tool for Training Research Responders in Emergency Operations	rush, margaret andrews	Gryphon Scientific, Llc	R43ES025448
Development of a neurotoxicity tool kit	zeng, xianmin	Xcell Science, Inc.	R44ES023522
Electronic Platform for the Delivery of Site Specific Health and Safety Training	nicolalde, roberto javier	Nicolalde R And D, Llc	R43ES025446
Endothelial Progenitor Cells for Assessing Toxicological Response Variability in Humans	ludlow, john william	Britebio, Inc.	R44ES023527
Enhanced Non Fouling Membranes for Water Purification and Recycling	battaglia, david mark	Lynnntech, Inc.	R44ES024625

Expanding the throughput of real-time toxicological screening of cardiac differentiation by expressing a synthetic luciferase/luciferin genetic pathway in iPSCs	morrison, dan	490 Biotech, Inc.	R43ES026269
Expressing bacterial bioluminescence in human cell lines: Engineering autoluminescent reporter cells to screen for endocrine disruptor chemicals	morrison, dan	490 Biotech, Inc.	R44ES022567
Field Deployable Vapor Intrusion Monitor	vaidya, bikas	Lynntech, Inc.	R44ES021625
Genetics of Drug Induced Cardiotoxicity	choi, ted	Predictive Biology	R44ES025139
Gold nanoparticle-based mercury analyzer for on-site measurement of soil and sediment	james, jay	Picoyune	R44ES023729
High throughput multiplexed assay for chemicals affecting neuron differentiation	zhang, wei	Juvobio Pharmaceuticals, Inc.	R43ES026254
Home Ozone Monitor Incorporating Low Cost High Performance Printed Gas Sensors	carter, michael t.	Kwj Engineering, Inc.	R44ES021676
IMPROVING THE TREATMENT OF CONTAMINATED AQUIFERS BYDEVELOPING DIRECT-PUSH OXIDANT CANDLES WITH PNEUMATIC CIRCULATORS	christenson, mark	Airlift Environmental, Llc	R42ES022530
Immuno-CometChip for Human Skin Basal Cell Genotoxicity Testing	george, jay	Trevigen, Inc.	R41ES026908
Innovative three-dimensional testicular Co-culture (Mini-Testis) model for reproductive toxicity testing: a pathway based High throughput (HT) and High Content Analysis (HCA)	yin, lei	Reprotox Biotech, Llc	R43ES027374
Integrated In Vitro and Alternative Ocular (IIVAO) Irritation Testing Strategy	degeorge, george l.	Mb Research Laboratories, Inc.	R44ES024052
Integration of Genomic Biomarkers with the devTOX Human Embryonic Stem Cells Scre	recio, leslie	Integrated Laboratory Systems, Inc.	R44ES022114
Juxtapia PREPARE E-Learning Intervention for HAZWOPER Training of Fire Fighter/EMTs	doswell, jayfus tucker	Juxtapia, Llc	R43ES025447
Lake Cyanobacterial Harmful Algal Bloom Mapping and Analysis Platform (CHAB-MAP)	torbick, nathan	Applied Geosolutions, Llc	R43ES025513
Liquid Crystal Sensors for Volatile Organics	nameni, gordon n	Platypus Technologies, Llc	R43ES027364
Low-Cost Catalytic Biomass Cookstove for Improved Indoor Air Quality	yelvington, paul	Mainstream Engineering Corporation	R44ES022880
Mass Spectrometric Screening of the Effect of Chemical Toxicants on the Human Epitranscriptome during Stem Cell Differentiation	agris, paul f	Athghin Biotechnology, Inc.	R41ES026250
Measuring toxicant effects on cellular function in a microarray format	guignon, ernest fitch	Ciencia, Inc.	R41ES026245
Microbial Surrogate Assay for Environmental PAH Exposure	adami, guy richard	Arphion, Ltd	R41ES025528
Microfluidic Chips for Biomonitoring	wang, daojing	Newomics, Inc	R44ES022360
Nanotechnology-Based Environmental Smart Sensors for Personal Health Exposure Monitoring	naishadham, krishna	Wi-Sense, Llc	R43ES026500
Non-Animal Test Method To Determine The Ocular Safety Of Consumer Products and Chemicals	lebrun, stewart	Lebrun Labs, Llc	R43ES025501
Novel Fiber Scaffolding for Effective Removal of Diverse Hazardous Chemicals from Water	tsukamoto, takuji	Chemica Technologies, Inc.	R44ES026024
Novel Reagents and Methods for Rapid and High Throughput Detection of Aflatoxin C	wei, alan ai-ping	Agri-Analysis, Llc	R43ES024022
Omics-Based Assays for Screening Chemical Toxicity Using Stem Cells	wang, daojing	Newomics, Inc	R44ES023529
On Site Mercury Remediation via Activated Fly Ash	krutkramelis, kaspars	Pollution Control Technologies, Llc	R44ES024620

Personal Exposure Monitoring of the Air Pollutants as a K-12 Educational Tool	birks, john w	2b Technologies, Inc.	R44ES024031
Portable nanofluidic aptamer-SERS instrument for measurement of chemical exposure	jackson, george w	Biotex, Inc.	R44ES022303
Rapid Biomonitoring of Volatile Toxins in Human Samples (BIO-VOTO)	lue, lormen	Chromologic, Llc	R43ES025526
Rapid Real-Time High-Sensitivity Trichloroethylene Vapor Analyzer	richman, bruce aram	Entanglement Technologies, Inc.	R44ES022538
Rapid and On-site Monitoring of Urinary Arsenic Metabolites	dweik, badawi m	Giner, Inc.	R44ES022313
Rapid response toxicology prediction platform	myatt, glenn john	Leadscope, Inc.	R43ES026909
Realistic Accurate Dosimulation	schantz, hans gregory	Q-Track Corporation	R44ES022856
Selective inhibitors of ubiquitin E3 ligase to treat high cholesterol	sterner, david e	Progenra, Inc.	R44ES025600
Selenium-derivatized New Reagents for Nucleic Acid X-ray Crystallography	huang, zhen	Sena Research, Inc.	R42ES026935
Smartphone Simulator for Realistic Radiation HAZMAT and Emergency Response Training	motakef, shariar	Capesym, Inc.	R43ES026826
Stem cell toxicology assays for cardiac differentiation	mcdonough, patrick m	Vala Sciences, Inc.	R44ES023521
The Development of a High-Throughput Assay to Screen Chemical Compounds in Human Pluripotent Stem Cell Derived Neural Cells	boles, nathan c	Athghin Biotechnology, Inc.	R41ES026224
The Virtual HAZMAT Response Academy: Advanced Training Technology for HAZMAT Responders Using Next-Generation Internet	henderson, joseph vanwirt	World 2 Systems	R43ES026848
VALIDATION OF AN IN VITRO ASSAY FOR ANDROGENIC ACTIVITY	yang, cathy z	Certichem, Inc.	R44ES026470
Wearable Ultralow Power Personal Exposure Monitor for Atmospheric Pollutants	carter, michael t.	Kwj Engineering, Inc.	R41ES024054
sEH Inhibitors to Treat Neuropathic Pain	buckpitt, alan r	Eicosis, Llc	R44ES025598